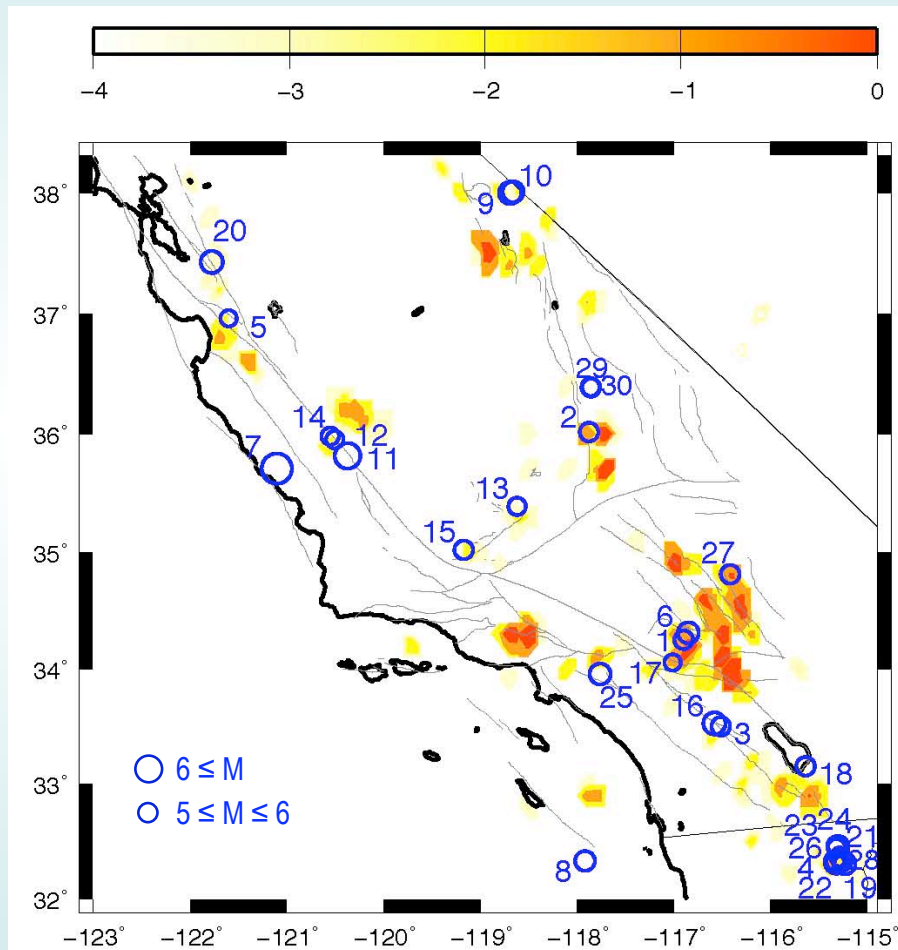


# Status of the Real Time Earthquake Forecast Experiment (Original Version)

( JB Rundle et al., PNAS, v99, Supl 1, 2514-2521, Feb 19, 2002; KF Tiampo et al., Europhys. Lett., 60, 481-487, 2002; JB Rundle et al., Rev. Geophys. Space Phys., 41(4), DOI 10.1029/2003RG000135, 2003. <http://quakesim.jpl.nasa.gov> )

## How are We Doing? (Composite N-S Catalog)



## Plot of $\text{Log}_{10}$ (Seismic Potential)

Increase in Potential for significant earthquakes, ~ 2000 to 2010

Thirty significant earthquakes (blue circles) have occurred in Central or Southern California. Margin of error of the anomalies is  $\pm 11$  km; Data from S. CA. and N. CA catalogs:

### After the work was completed

1. Big Bear I, M = 5.1, Feb 10, 2001
2. Coso, M = 5.1, July 17, 2001

### After the paper was in press ( September 1, 2001 )

3. Anza I, M = 5.1, Oct 31, 2001

### After the paper was published ( February 19, 2002 )

4. Baja I, M = 5.7, Feb 22, 2002
5. Gilroy, M=4.9 - 5.1, May 13, 2002
6. Big Bear II, M=5.4, Feb 22, 2003
7. San Simeon, M = 6.5, Dec 22, 2003
8. San Clemente Island, M = 5.2, June 15, 2004
9. Bodie I, M=5.5, Sept. 18, 2004
10. Bodie II, M=5.4, Sept. 18, 2004
11. Parkfield I, M = 6.0, Sept. 28, 2004
12. Parkfield II, M = 5.2, Sept. 29, 2004
13. Arvin, M = 5.0, Sept. 29, 2004
14. Parkfield III, M = 5.0, Sept. 30, 2004
15. Wheeler Ridge, M = 5.2, April 16, 2005
16. Anza II, M = 5.2, June 12, 2005
17. Yucaipa, M = 4.9 - 5.2, June 16, 2005
18. Obsidian Butte, M = 5.1, Sept. 2, 2005
19. Baja II, M = 5.4, May 23, 2006
20. Alum Rock, M=5.6, Oct. 30, 2007
21. Baja III, M = 5.4, Feb 9, 2008
22. Baja IV, M = 5.1, Feb 11, 2008
23. Baja V, M = 5.0, Feb 12, 2008
24. Baja VI, M = 5.0, Feb 19, 2008
25. Chino Hills, M = 5.4, July 29, 2008
26. Baja VII, M = 5.0, Nov 20, 2008
27. Mojave, M = 5.1, Dec 6, 2008
28. Baja VIII, M=5.1, Sept 19, 2009
29. Owens Valley I, M=5.0, Oct 1, 2009
30. Owens Valley II, M=5.2, Oct 3, 2009

Note: This **original** forecast was made using both the full Southern California catalog plus the full Northern California catalog. The S. Calif catalog was used south of latitude  $36^\circ$ , and the N. Calif. catalog was used north of  $36^\circ$ . No corrections were applied for the different event statistics in the two catalogs. **Green triangles** mark locations of large earthquakes ( $M \geq 5.0$ ) between Jan 1, 1990 – Dec 31, 1999.